

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,017,886 B1
APPLICATION NO. : 10/802302
DATED : March 28, 2006
INVENTOR(S) : Ngene-Igwe

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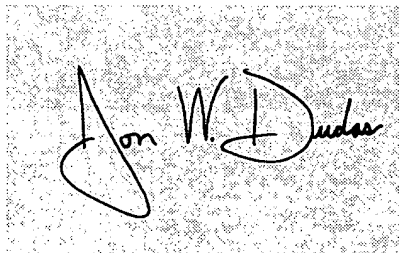
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawing sheets, consisting of Figs. 1-6c should be deleted to be replaced with the drawing sheets consisting of Figs. 1-6c, as shown on the attached pages.

Illustrative figure on the title page should be deleted and replaced with Fig. 1, as shown on the attached page.

Signed and Sealed this

Fourteenth Day of November, 2006

A handwritten signature in black ink, reading "Jon W. Dudas", is written over a rectangular area with a light gray, textured background.

JON W. DUDAS
Director of the United States Patent and Trademark Office



US007017886B1

(12) **United States Patent**
Ngene-Igwe

(10) **Patent No.:** **US 7,017,886 B1**
 (45) **Date of Patent:** **Mar. 28, 2006**

(54) **SLIDING GATE VALVE**

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 43211

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(*) **Notice:** Subject to any disclaimer, the term of this
 patent is extended or adjusted under 35
 U.S.C. 154(b) by 33 days.

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Primary Examiner—J. Casimer Jacyns

(74) *Attorney, Agent, or Firm*—Standley Law Group LLP

(21) **Appl. No.:** 10/802,302

(22) **Filed:** Mar. 17, 2004

(51) **Int. Cl.**
F16K 3/00 (2006.01)

(52) **U.S. Cl.** 251/326

(58) **Field of Classification Search** 251/326-329
 See application file for complete search history.

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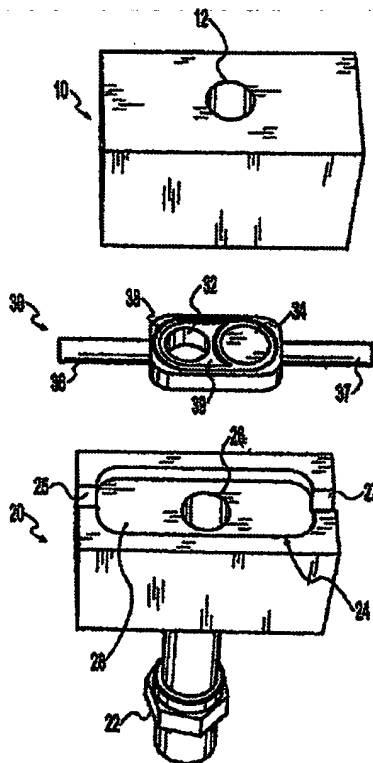
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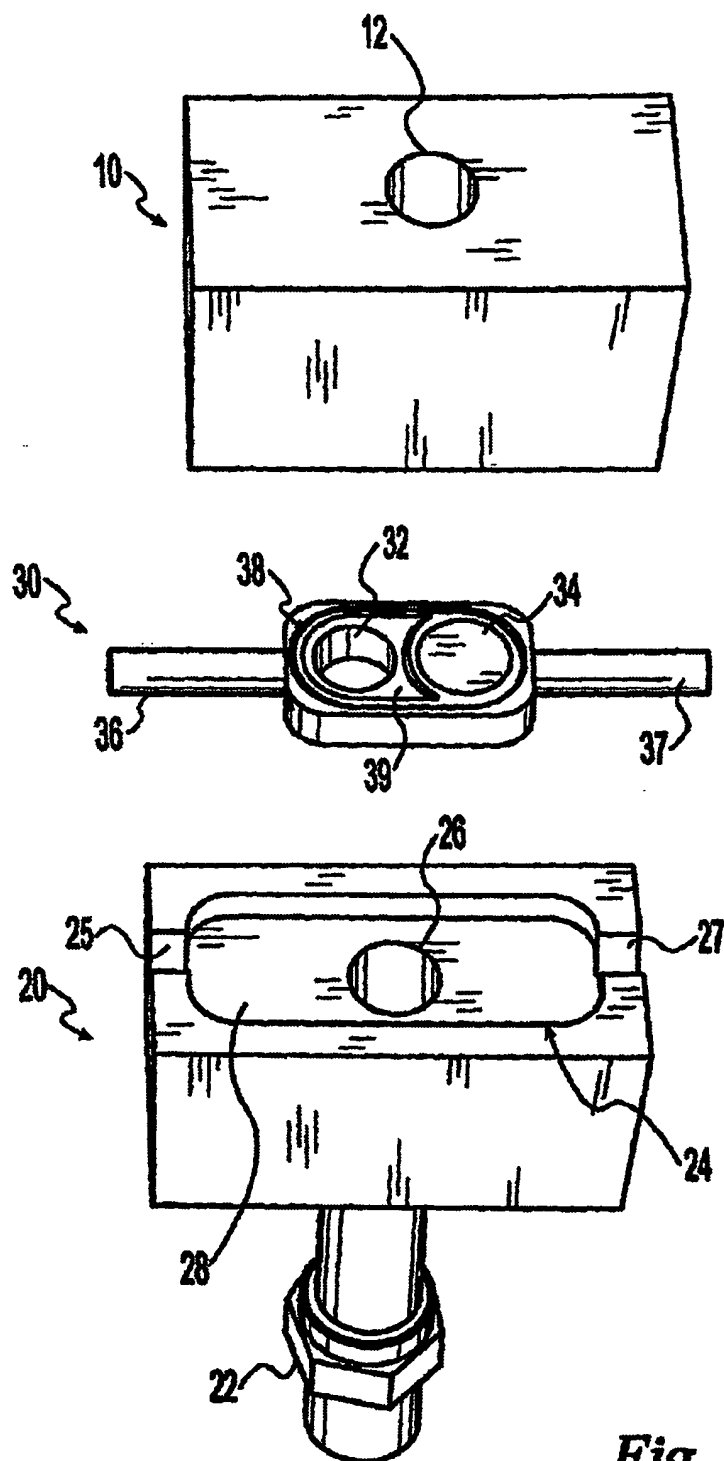
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(57) **ABSTRACT**

A sliding gate valve, a sealing gasket for the valve, and a method of assembling the valve that may be used to govern the flow of a fluid such as a liquid or a gas. The sealing gasket may be characterized as having a circular portion, two connector portions, and a substantially curved portion that provides a seal discouraging fluid loss during use of the valve. Example fluids suitable for use with the valve include water, air, or oxygen. The fluids may or may not be pressurized as the valve provides a seal against leakage that is not dependent upon a pressure differential. Typical installations for the valve include, but are not limited to, household water supply systems, laboratory environments, and industrial settings.

20 Claims, 5 Drawing Sheets



*Fig. 1*

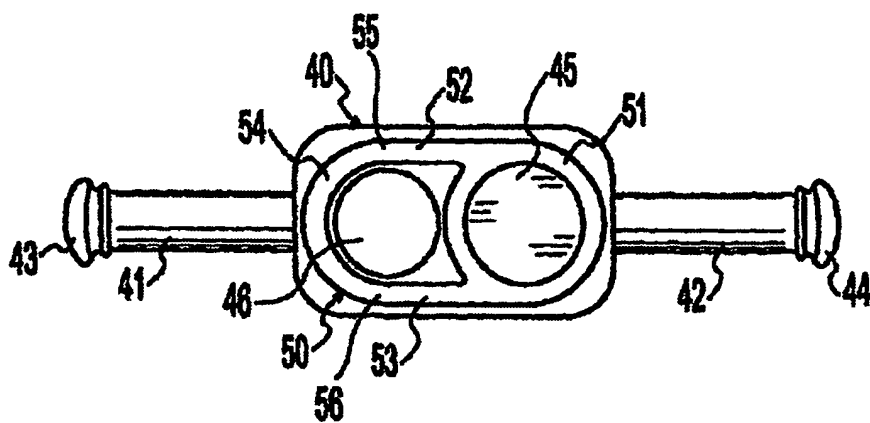


Fig. 2

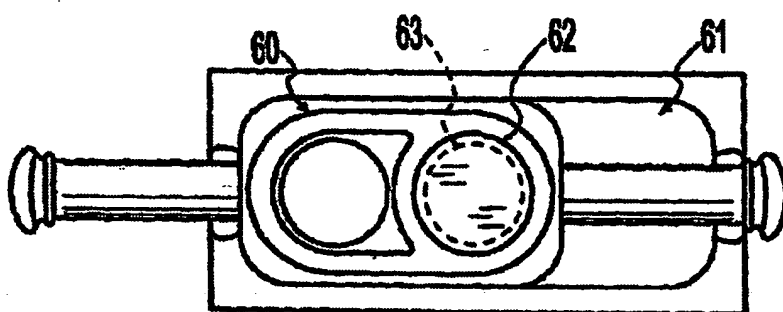


Fig. 3a

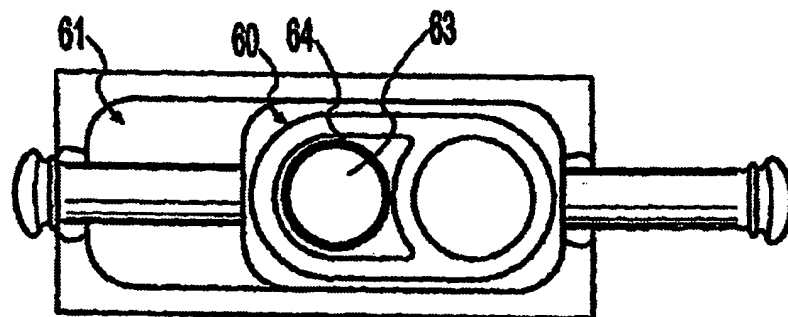


Fig. 3b

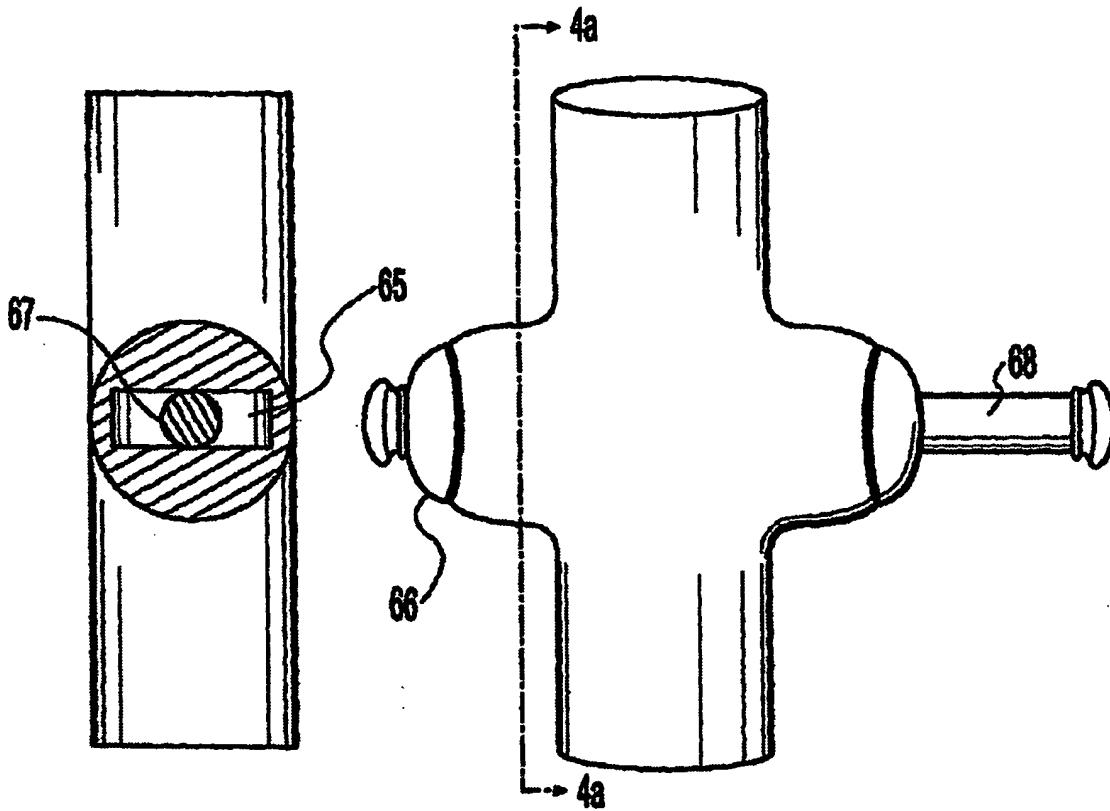


Fig. 4a

Fig. 4

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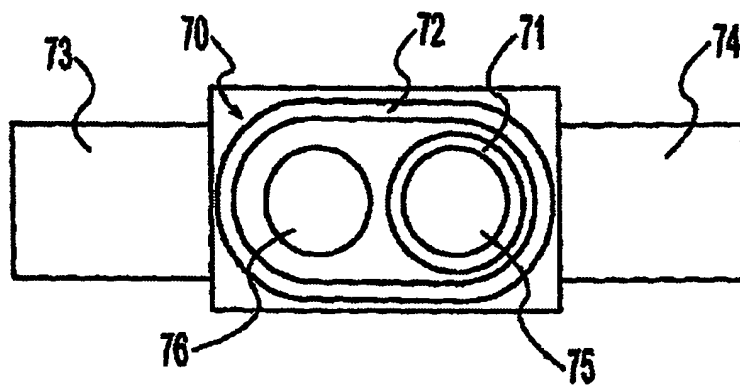


Fig. 5a

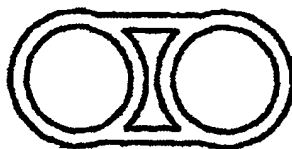


Fig. 5b

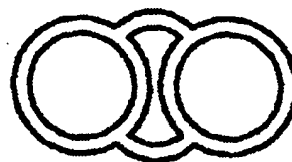


Fig. 5c

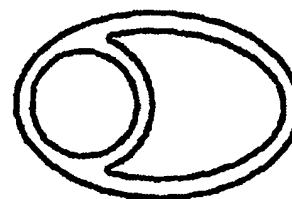


Fig. 5d

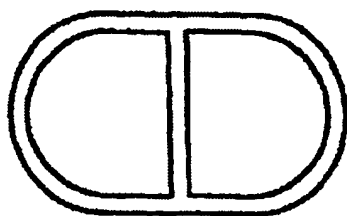


Fig. 6a

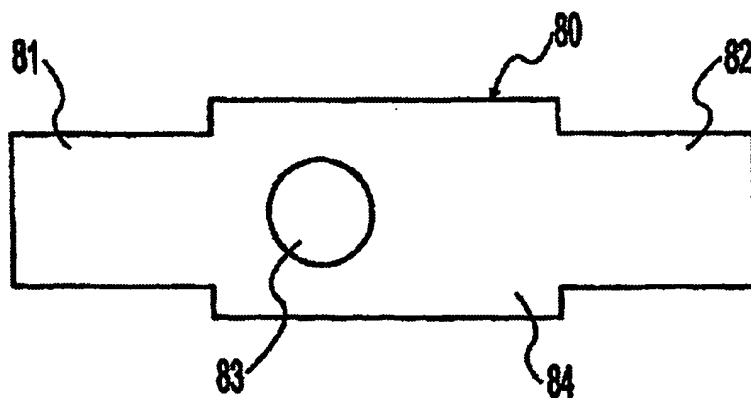


Fig. 6b

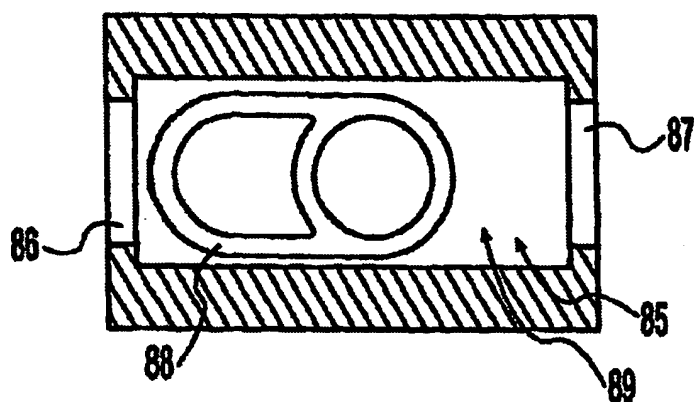


Fig. 6c